

ABSTRACT

5 A method and system providing boundary dispersion to pixel values
displayed on a binary spatial light modulator to reduce temporal contouring
artifacts. Pixel code values are offset from a nominal value when displayed on the
SLM to disperse a large bit transition for a pulse width modulation (PWM)
system. The offset value varies as a function of the pixel digital code, the pixel
10 spatial location on the screen, and pixel temporal location in time. The set of
offsets applied to pixels is varied over a repeating sequence of 2 displayed frames.

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